Fatalities due to cloud to ground lightning

2533. SHRIMATI SYEDA ANWARA TAIMUR: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether it is a fact that several fatilities are being reported due to cloud to ground lightning from the North-East every year;

(b) whether in India alone the number of deaths caused by Iightning strikes in a year is close to 1500;

(c) if so, the steps Government have taken for awareness, safety and protection from lightning;

(d) whether the scientists, engineers and administrators of the concerned department have been issued directions to explore the safety measures; and

(e) if so, the details thereof?

THE MINISTER OF SCIENCE AND TECHNOLOGY (SHRI KAPIL SIBAL) (a) to (e) The information is being collected and will be laid on the Table of the House.

Eminent Indian Scientists

2534. DR. (SHRIMATI) NAJMA A. HEPTULLA: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) the names of eminent Indian scientists in different fields including agriculture, medicine, space etc. who made notable contribution which earned them national and international recognition;

(b) who among them work in Government/Semi-Government organization and academic/research institutions like universities; and

(c) the important projects in which they are engaged and the benefit likely to accrue from them for growth and development?

THE MINISTER OF SCIENCE AND TECHNOLOGY (SHRI KAPIL SIBAL): (a) to (c) There is a large volume of publicly available literature which lists the names of eminent Indian scientists in different fields and their notable contributions. In particular, the list of fellows, their biographical sketches, scientific contributions and institutional affiliations given by the

Indian National Science Academy, New Delhi, Indian Academy of Sciences, Bangalore and the National Academy of Sciences, Allahabad at their websites as well as in their publications are ready sources of such information. The Year Books of Indian National Science Academy, New Delhi and Indian Academy of Sciences, Bangalore giving the above information in brief are also available in the Parliament library.

Filing of Patent in USA

2535. SHRI A. VIJAYARAGHAVAN: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether Department of Science and Technology (DST) and Council of Scientific and Industrial Research (CSIR) used to file patents in USA;

(b) if so, the number of patents filed, granted and licensed for last five years by DST and CSIR year-wise, categoiy-wise, organization-wise;

(c) if so, the amount of fees paid for filing patent and amount paid as maintenance fee, fee paid to attorney for filing patents, if any, license fee received and royalty received for last five years by DST and CSIR, year-wise, category-wise, organization-wise; and

(d) the criteria adopted for selecting application for filing patents in USA?

THE MINISTER OF SCIENCE AND TECHNOLOGY (SHRI KAPIL SIBAL): (a) Yes, Sir.

(b) (i) The number of patents filed, granted and licensed in the last five years by Council of Scientific and Industrial Research (CSIR) are given in the following table:

The number of patents filed, granted and licensed by CSIR:

Year	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	Total
Filed	236	255	201	135	115	942
Granted	69	149	141	142	111	612
Licensed	.....					92